Appendix E

Intralaboratory Repeatability and Intralaboratory Reproducibility Data and Results for Gilleron et al. (1996, 1997)

E1 Individual Egg HET-CAM Scores (Endpoints Evaluated and Overall Irritancy) for Data of Gilleron et al. (1996) E-3

E2 Individual Egg HET-CAM Scores (Endpoints Evaluated and Overall Irritancy) for Data of Gilleron et al. (1997) E-11

E3 Intralaboratory Repeatability Results (Expressed as %CV) for Data of Gilleron et al. (1996) E-21

E4 Intralaboratory Repeatability Results (Expressed as %CV) for Data of Gilleron et al. (1997) E-29

E5 Intralaboratory Reproducibility Results (Expressed as %CV) for Data of Gilleron et al. (1996) E-37

E6 Intralaboratory Reproducibility Results (Expressed as %CV) for Data of Gilleron et al. (1997) E-41

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Appendix E1

Individual Egg HET-CAM Scores (Endpoints Evaluated and Overall Irritancy) for Data of Gilleron et al. (1996)

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Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
2-Ethoxyethanol	86	0.00	2.55	0.00	0.00	1.26	0.00	8.76	8.22	8.88	8.76	12.03	8.88
	95	1.00	4.47	0.00	0.00	0.00	0.00	6.21	6.00	6.45	7.21	10.47	6.45
	99	0.00	0.00	0.00	5.30	5.76	5.83	8.25	7.47	7.71	13.55	13.23	13.54
Quinacrine	90	4.62	4.62	4.68	0.00	0.00	0.00	0.00	0.00	3.15	4.62	4.62	7.83
	93	4.85	4.85	4.77	0.00	0.00	0.00	0.00	0.00	0.00	4.85	4.85	4.77
	103	0.00	0.20	0.00	5.06	3.45	2.64	7.02	4.83	3.72	12.08	8.48	6.36
Anthracene	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hexadecyltrimethyammonium bromide	90	4.70	4.37	4.70	5.37	4.29	2.99	7.53	7.20	8.01	17.60	15.86	15.70
	97	0.00	4.33	4.10	5.53	3.57	5.46	0.00	0.00	0.00	5.53	7.90	9.56
	103	0.00	0.00	0.00	6.44	6.11	6.42	3.81	2.64	0.00	10.25	8.75	6.42
Allyl Alcohol	86	0.00	0.00	0.00	5.79	5.95	0.00	8.73	8.88	8.85	14.52	14.83	8.85
	95	1.85	0.00	0.00	4.13	0.00	0.00	8.10	7.83	8.16	14.08	7.83	8.16
	99	0.00	0.00	0.00	6.28	6.53	5.93	8.31	8.34	8.16	14.59	14.87	14.09
Thiourea	90	3.88	3.97	3.80	6.84	6.88	6.74	8.04	6.99	7.41	18.76	17.84	17.95
	103	3.80	3.78	3.90	6.63	6.63	6.58	0.00	0.00	0.00	10.43	10.41	10.48
	107	4.15	3.90	4.02	6.72	6.74	6.63	0.00	0.00	0.00	10.87	10.64	10.65
EDTA dipotassium	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dimethyl biguanidine	92	0.00	0.00	0.00	0.00	0.00	0.00	8.25	8.49	7.47	8.25	8.49	7.47
	93	0.00	0.00	0.00	4.60	5.55	1.91	8.37	4.77	7.14	12.97	10.32	9.05
	103	0.00	0.00	0.00	6.35	6.58	6.44	0.00	0.00	0.00	6.35	6.58	6.44
Hexane	86	0.57	1.05	2.10	0.00	0.00	0.00	4.77	4.41	4.68	5.34	5.46	6.78
	93	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.00	0.00	1.71	0.00	0.00
	105	0.00	0.00	0.00	4.67	3.80	0.00	0.00	0.00	0.00	4.67	3.80	0.00

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Triton X-155	92	0.00	0.00	0.75	0.00	0.00	0.00	0.30	2.79	0.00	0.30	2.79	0.75
	98	1.40	2.97	3.95	0.00	4.27	4.67	0.00	0.00	0.00	1.40	7.24	8.62
	104	0.00	0.00	0.00	4.74	4.90	4.57	0.00	0.00	0.00	4.74	4.90	4.57
2,4-Pentanedione	86	4.52	4.67	4.03	0.00	0.00	0.00	3.72	7.59	6.27	8.24	12.26	10.30
	87	4.50	4.47	4.15	0.00	0.00	0.00	6.39	7.29	5.49	10.89	11.76	9.64
	93	4.12	4.43	3.97	0.00	0.00	0.00	3.60	0.00	0.00	7.72	4.43	3.97
1,2,3-Tricholorpropane	89	0.00	1.48	0.10	0.00	0.00	0.00	7.08	6.72	2.70	7.08	8.20	2.80
	98	3.10	3.82	4.17	0.00	0.56	1.87	5.67	4.56	4.74	8.77	8.94	10.78
	104	3.12	2.80	3.88	4.13	4.11	3.29	1.05	1.17	0.51	8.30	8.08	7.68
1-Nitropropane	86	0.00	0.00	1.27	0.00	0.00	0.00	3.54	0.00	4.38	3.54	0.00	5.65
	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	95	1.53	0.35	2.07	4.64	0.00	0.00	0.00	4.80	2.73	6.17	5.15	4.80
Cyclohexanone	89	3.90	4.73	4.38	0.00	0.00	0.00	8.40	7.74	7.62	12.30	12.47	12.00
	98	4.88	4.95	4.10	6.42	6.65	6.77	8.04	7.92	6.81	19.34	19.52	17.68
	104	4.83	4.62	4.45	6.46	6.77	3.15	4.14	1.77	0.69	15.43	13.16	8.29
3-Glycidopropyltrimethoxysilane	99	4.02	3.10	3.77	0.00	0.00	0.00	0.00	0.00	0.00	4.02	3.10	3.77
	100	3.45	3.75	3.68	0.00	0.00	0.00	2.37	2.13	0.87	5.82	5.88	4.55
	105	4.02	3.80	3.87	0.00	0.00	0.00	0.00	0.00	0.00	4.02	3.80	3.87
Diacetone alcohol	89	3.60	4.85	2.92	0.00	0.00	0.00	8.91	7.05	8.43	12.51	11.90	11.35
	98	4.87	4.90	4.93	5.37	5.90	5.44	5.58	6.75	7.26	15.82	17.55	17.63
	104	4.87	4.78	4.87	6.28	5.95	6.07	6.90	5.58	3.36	18.05	16.31	14.30
1,2,4-Trimethylbenzene	88	1.00	0.10	0.00	0.00	0.00	0.00	6.27	4.56	1.44	7.27	4.66	1.44
	95	1.85	0.00	0.00	0.00	0.00	0.00	2.64	0.00	0.00	4.49	0.00	0.00
	100	0.00	0.00	0.00	5.48	3.69	5.53	3.39	3.24	0.63	8.87	6.93	6.16
Pyridine	89	0.00	4.87	4.05	0.00	0.00	0.00	8.94	8.58	8.52	8.94	13.45	12.57
	98	4.30	4.77	4.87	6.93	6.86	6.88	7.53	7.65	2.04	18.76	19.28	13.79
	104	4.72	4.95	3.35	6.42	6.88	6.93	7.59	6.72	7.62	18.73	18.55	17.90
DL-Glutamic acid	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	95	2.77	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	3.33	0.00
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Iminodibenzyl	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.27	0.00
	102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butyrolactone	88	4.98	4.97	4.98	0.00	0.00	0.00	8.25	8.07	7.35	13.23	13.04	12.33
	95	4.95	4.98	4.90	0.00	0.00	0.00	7.65	7.77	8.10	12.60	12.75	13.00
	100	4.90	4.33	4.93	4.76	3.97	4.92	7.44	6.69	5.88	17.10	14.99	15.73
Octanol	88	3.23	2.80	0.00	0.00	0.00	4.53	2.73	4.65	6.03	5.96	7.45	10.56
	102	4.00	3.67	3.00	3.76	3.97	3.78	2.76	3.09	2.85	10.52	10.73	9.63
	106	3.27	3.30	3.55	5.86	5.20	6.14	0.60	3.60	2.22	9.73	12.10	11.91
24-dicholor-5-sulfamolyl-benzoic acid	91	0.00	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.82	0.00
	93	4.85	4.82	4.78	0.00	0.00	0.00	2.25	0.00	1.38	7.10	4.82	6.16
	100	4.17	2.53	4.32	0.00	0.00	0.00	0.00	0.00	0.00	4.17	2.53	4.32
Methyl isobutyl ketone	88	0.00	2.75	3.52	0.00	0.00	0.00	6.96	6.81	7.71	6.96	9.56	11.23
	96	2.90	4.25	4.23	1.87	2.59	2.71	7.56	4.08	6.30	12.33	10.92	13.24
	105	3.85	3.55	2.98	6.74	6.39	6.67	0.00	0.00	0.00	10.59	9.94	9.65
furan	88	0.00	0.00	0.00	0.00	1.28	0.00	5.97	0.60	5.67	5.97	1.88	5.67
	95	0.00	2.77	0.00	2.22	0.00	2.99	1.59	6.33	3.72	3.81	9.10	6.71
	100	0.00	0.00	0.00	5.58	4.64	4.95	0.27	1.05	0.00	5.85	5.69	4.95
Dibenzoyl-L-tartaric acid	90	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00
	93	4.85	4.85	4.80	0.00	0.00	0.00	0.00	0.00	0.00	4.85	4.85	4.80
	102	4.83	4.70	4.62	3.43	0.00	1.33	0.00	0.00	0.00	8.26	4.70	5.95
1-phenyl-3-pyrazolidone	91	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	0.00	1.80	0.00	0.00
	96	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.98	0.00	0.39	1.98	0.00
	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol	89	0.00	0.00	0.00	0.00	0.00	0.00	8.19	8.49	8.61	8.19	8.49	8.61
	97	0.00	0.00	0.00	5.88	5.74	5.74	6.03	5.34	5.67	11.91	11.08	11.41
	102	0.00	0.00	0.00	6.44	6.60	5.76	7.47	7.92	8.01	13.91	14.52	13.77
2-Aminophenol	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	1.83	0.00	2.43	1.83
	96	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.06	0.00	0.21	3.06	0.00
	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Deooxycholic acid, sodium salt	89	3.93	1.95	0.00	6.56	5.69	6.02	8.73	8.16	8.13	19.22	15.80	14.15
	97	2.63	0.00	1.18	4.95	6.09	5.62	0.00	0.00	0.00	7.58	6.09	6.80
	102	0.00	0.00	0.00	5.93	5.34	6.39	0.00	0.00	0.00	5.93	5.34	6.39
Gluconolactone	91	0.00	0.00	0.00	0.00	0.00	0.00	7.71	8.13	8.67	7.71	8.13	8.67
	93	0.00	0.00	0.00	0.00	0.00	6.25	0.00	0.00	0.00	0.00	0.00	6.25
	101	0.00	0.00	0.00	5.27	1.14	3.80	0.00	0.00	0.00	5.27	1.14	3.80
MYRJ 45	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dimethylsulfoxide	88	0.00	0.00	0.00	6.14	6.35	6.65	8.73	8.31	8.43	14.87	14.66	15.08
	93	0.00	1.18	0.00	0.00	0.00	0.00	7.29	7.11	6.60	7.29	8.29	6.60
	101	0.00	0.00	0.00	6.44	6.28	5.72	4.65	5.67	5.76	11.09	11.95	11.48
Polyoxythethylene 23 lauryl ether	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	97	4.43	4.57	4.55	0.00	0.00	0.00	0.00	0.00	0.00	4.43	4.57	4.55
	103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magnesium carobonate	92	0.00	0.00	0.00	0.00	0.00	0.00	4.50	4.08	2.01	4.50	4.08	2.01
	101	0.00	0.00	0.00	0.00	0.00	0.00	2.28	0.00	0.00	2.28	0.00	0.00
	106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetraaminopyrimidine sulfate	92	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.77	0.00	0.00
	93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Propyl-4-hydroxybenzoate	92	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	4.47
	96	2.25	2.82	3.40	0.00	0.00	0.00	0.00	0.75	0.00	2.25	3.57	3.40
	101	0.28	0.93	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.93	2.00
Imidazole	96	4.53	4.03	4.67	4.85	3.31	4.78	8.91	8.91	8.91	18.29	16.25	18.36
	100	4.83	4.80	4.85	5.51	6.56	6.60	4.35	5.82	6.24	14.69	17.18	17.69
	105	4.92	4.92	4.87	6.91	6.91	6.86	6.72	7.38	7.77	18.55	19.21	19.50
	118	4.43	4.77	4.85	6.91	6.79	6.86	6.90	7.26	6.93	18.24	18.82	18.64
	115	4.87	4.90	4.92	6.28	6.67	6.74	8.82	8.46	8.16	19.97	20.03	19.82
	116	4.75	4.82	4.82	6.49	6.79	6.84	7.83	7.47	7.80	19.07	19.08	19.46

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
2-Methoxyethanol	88	0.00	0.00	0.00	4.62	6.60	6.60	8.64	8.31	8.22	13.26	14.91	14.82
	89	0.00	0.00	0.00	3.94	4.95	6.37	8.64	8.10	8.61	12.58	13.05	14.98
	96	0.00	0.00	0.00	5.67	5.04	5.46	7.95	8.01	7.92	13.62	13.05	13.38
	101	0.00	0.00	0.00	5.69	6.25	6.11	6.63	5.55	4.80	12.32	11.80	10.91
Methanol	89	0.00	0.00	0.00	6.32	4.76	0.00	8.70	8.49	8.52	15.02	13.25	8.52
	93	0.00	0.00	0.00	0.00	0.00	0.00	8.01	8.07	7.83	8.01	8.07	7.83
	102	0.00	0.00	0.00	6.70	6.79	6.88	8.34	8.28	8.52	15.04	15.07	15.40
	105	0.00	0.00	0.00	6.79	6.84	6.88	7.38	5.85	4.20	14.17	12.69	11.08
Promethazine hydrochloride	85	0.00	0.00	0.00	6.60	6.65	6.81	7.56	8.67	8.88	14.16	15.32	15.69
	90	2.35	3.43	1.97	0.00	0.00	0.00	8.43	8.61	8.67	10.78	12.04	10.64
	102	0.00	0.00	0.00	6.79	6.67	6.67	8.49	8.52	8.52	15.28	15.19	15.19
	97	0.00	0.00	0.00	6.88	6.70	6.53	8.34	8.19	8.34	15.22	14.89	14.87
N-Lauroylsarcosine, sodium salt	92	0.00	3.50	4.53	6.42	6.58	5.69	8.76	8.73	8.64	15.18	18.81	18.86
	94	0.00	4.50	4.22	6.07	6.49	6.46	2.49	0.90	0.00	8.56	11.89	10.68
	106	0.00	0.00	0.00	6.93	6.88	6.91	3.96	3.90	4.32	10.89	10.78	11.23
	103	0.00	0.00	4.38	6.65	6.63	6.60	0.72	0.00	0.00	7.37	6.63	10.98
Benzethonium chloride	90	4.88	4.72	4.52	0.00	0.00	0.00	8.25	7.47	7.41	13.13	12.19	11.93
	98	4.10	4.23	4.85	5.88	5.30	6.35	8.49	7.47	7.41	18.47	17.00	18.61
	104	0.00	0.00	0.00	6.49	6.60	6.51	0.72	0.06	0.33	7.21	6.66	6.84
	107	0.00	0.00	0.00	6.74	6.81	6.74	6.33	6.12	5.79	13.07	12.93	12.53
Laurylsulfobetaine	92	0.00	0.00	0.00	6.09	6.02	6.32	2.07	2.97	3.72	8.16	8.99	10.04
	94	0.67	0.00	0.00	4.06	6.56	6.51	0.18	5.13	5.94	4.91	11.69	12.45
	104	0.00	0.00	0.00	6.84	6.81	6.84	0.00	0.00	0.00	6.84	6.81	6.84
Triethanolamine	89	0.00	0.00	0.00	3.80	3.03	2.85	8.37	7.62	6.78	12.17	10.65	9.63
	104	0.00	0.00	0.00	6.88	6.70	6.53	6.30	4.71	6.15	13.18	11.41	12.68
	107	0.00	0.00	0.00	6.46	5.97	6.65	5.76	7.47	7.02	12.22	13.44	13.67
Ethylacetoacetate	89	3.93	3.83	4.15	0.00	0.00	0.00	2.88	3.66	4.02	6.81	7.49	8.17
	97	3.53	3.48	2.48	0.68	0.00	3.66	0.00	0.00	0.00	4.21	3.48	6.14
	102	3.58	3.93	4.47	4.25	4.83	4.64	5.76	4.44	4.92	13.59	13.20	14.03

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Appendix E2

Individual Egg HET-CAM Scores (Endpoints Evaluated and Overall Irritancy) for Data of Gilleron et al. (1997)

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Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Sodium hydroxide (10%)	127	5.00	4.98	4.98	6.91	6.91	6.91	8.43	8.70	8.64	20.34	20.59	20.53
	132	5.00	4.98	4.98	7.00	7.00	7.00	8.55	8.67	8.73	20.55	20.65	20.71
	140	4.80	4.93	4.93	6.98	6.95	7.00	8.94	8.64	8.46	20.72	20.52	20.39
Promethazine	206	0.00	0.00	0.00	0.00	0.00	0.00	4.11	5.58	4.92	4.11	5.58	4.92
	214	0.00	0.00	0.00	0.93	3.43	2.61	4.26	3.45	4.05	5.19	6.88	6.66
	220	0.00	0.00	0.00	0.00	2.15	1.66	6.69	6.81	5.76	6.69	8.96	7.42
Sodium hydroxide (1%)	127	4.90	4.95	4.97	6.84	6.91	6.93	7.47	7.41	7.08	19.21	19.27	18.98
	132	4.93	4.95	4.95	6.93	6.95	6.95	7.29	7.38	6.63	19.15	19.28	18.53
	141	4.90	4.88	4.87	6.98	6.93	6.93	7.50	6.69	7.02	19.38	18.50	18.82
Sodium oxalate	116	4.15	3.72	3.75	6.58	6.37	6.39	3.72	3.66	1.83	14.45	13.75	11.97
	120	0.00	0.00	0.00	6.65	6.84	6.84	8.22	8.19	7.38	14.87	15.03	14.22
	125	0.00	0.00	0.00	6.77	6.74	6.81	8.10	7.74	7.38	14.87	14.48	14.19
Trichloroacetic acid (30%)	127	0.00	0.00	0.00	6.91	6.86	6.88	8.64	8.73	8.76	15.55	15.59	15.64
	133	0.00	0.00	0.00	6.86	6.95	6.93	8.82	8.91	8.94	15.68	15.86	15.87
	141	0.00	0.00	0.00	6.91	6.91	6.91	8.85	8.79	8.79	15.76	15.70	15.70
Thiourea	149	4.35	4.38	4.47	6.93	6.79	6.79	5.46	5.67	3.63	16.74	16.84	14.89
	121	3.95	3.98	4.07	6.91	6.88	6.91	7.98	7.32	7.38	18.84	18.18	18.36
	125	4.08	4.27	4.10	6.88	6.93	6.93	7.74	8.16	8.10	18.70	19.36	19.13
2,2-Dimethylbutanoic acid	127	0.00	0.00	0.00	6.60	6.74	6.79	8.13	8.49	8.40	14.73	15.23	15.19
	133	0.00	0.00	0.00	6.98	6.93	6.95	8.46	8.49	8.22	15.44	15.42	15.17
	141	0.00	0.00	0.00	6.95	6.88	6.91	8.61	8.61	8.64	15.56	15.49	15.55
Imidazole	116	4.82	4.78	4.78	6.81	6.88	6.88	7.44	7.62	7.11	19.07	19.28	18.77
	121	4.52	4.68	4.72	6.88	6.93	6.91	7.68	7.83	7.68	19.08	19.44	19.31
	125	4.85	4.88	4.87	6.93	6.93	6.93	8.52	8.16	7.86	20.30	19.97	19.66
Trichloroacetic acid (3%)	209	0.00	0.00	0.00	6.93	6.91	6.88	8.58	8.73	8.70	15.51	15.64	15.58
	216	0.00	0.00	0.00	6.95	7.00	6.98	8.82	8.94	8.91	15.77	15.94	15.89
	217	0.00	0.00	0.00	6.91	6.95	6.95	8.73	8.79	8.82	15.64	15.74	15.77

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Sodium perborate, $4H_2O$	117	0.00	0.00	0.00	6.53	6.67	6.67	4.50	5.31	4.17	11.03	11.98	10.84
	121	0.00	0.00	0.00	6.67	6.81	6.79	7.05	6.63	6.45	13.72	13.44	13.24
	125	0.00	0.00	0.00	6.72	6.74	6.81	7.83	8.13	8.19	14.55	14.87	15.00
n-Hexanol	127	4.85	3.37	3.30	6.67	6.49	6.53	7.77	7.29	7.83	19.29	17.15	17.66
	133	4.38	4.45	4.33	6.95	6.91	6.91	6.27	6.15	5.58	17.60	17.51	16.82
	141	4.37	4.00	4.00	6.67	6.72	6.77	6.99	6.66	5.88	18.03	17.38	16.65
Potassium cyanate	117	0.00	0.00	0.00	6.74	6.84	6.72	6.45	5.91	6.21	13.19	12.75	12.93
	122	0.00	0.00	0.00	6.84	6.88	6.86	8.34	8.10	8.22	15.18	14.98	15.08
	150	0.00	0.00	0.00	6.65	6.58	6.74	7.83	8.28	8.25	14.48	14.86	14.99
Isobutanol	127	4.52	4.30	4.43	6.70	6.79	6.79	8.37	7.98	8.10	19.59	19.07	19.32
	133	4.65	4.75	4.62	6.91	6.81	6.95	8.04	7.95	7.80	19.60	19.51	19.37
	141	4.85	4.65	4.68	6.98	6.91	6.88	7.89	7.38	7.98	19.72	18.94	19.54
Ammonium nitrate	117	1.47	0.00	1.65	6.72	6.77	6.79	5.88	7.53	5.43	14.07	14.30	13.87
	122	0.50	0.53	0.12	6.81	6.88	6.91	7.98	8.22	8.19	15.29	15.63	15.22
	126	1.77	1.87	1.38	6.86	6.84	6.88	7.98	8.10	7.98	16.61	16.81	16.24
n-Octanol	205	4.77	4.75	4.52	5.53	5.25	4.99	8.07	7.62	7.38	18.37	17.62	16.89
	209	4.75	4.67	4.62	4.11	4.53	4.36	7.74	7.20	6.90	16.60	16.40	15.88
	213		3.78	4.25		5.90	5.37		6.48	6.57		16.16	16.19
2,5-Dimethylhexandiol	150	4.35	4.58	4.25	6.91	6.81	6.72	4.53	4.83	4.32	15.79	16.22	15.29
	122	4.18	4.33	3.72	6.32	6.11	6.39	5.61	4.89	3.54	16.11	15.33	13.65
	126	4.00	4.13	4.07	4.18	4.43	5.13	6.51	6.42	6.72	14.69	14.98	15.92
2,6-Dichlorobenzoyl chloride	128	0.00	0.00	0.00	4.22	5.62	5.18	5.10	5.07	4.65	9.32	10.69	9.83
	133	0.00	0.00	0.00	6.58	6.63	6.60	6.06	5.61	6.72	12.64	12.24	13.32
	141	0.00	0.00	0.00	6.35	6.51	6.04	8.04	0.72	0.93	14.39	7.23	6.97
Fomesafen	117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	123	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.87	1.77	0.57	0.87	1.77
	150	0.00	0.00	0.00	0.00	0.00	0.00	3.24	1.92	2.52	3.24	1.92	2.52
Methyl cyanoacetate	128	4.35	4.40	4.65	3.59	4.83	5.20	6.60	7.02	7.50	14.54	16.25	17.35
	142	4.85	4.87	4.75	6.65	6.58	6.49	4.68	2.73	4.08	16.18	14.18	15.32
	161	4.43	4.77	4.80	6.09	6.44	6.32	5.91	7.26	6.93	16.43	18.47	18.05

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
L-Aspartic Acid	206	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	214	0.00	0.00	0.00	3.87	0.00	0.00	3.21	0.00	0.00	7.08	0.00	0.00
	220	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	2.43
Ethyl-2-methylacetoacetate	128	4.40	4.47	4.43	0.00	0.00	0.00	6.78	6.54	6.99	11.18	11.01	11.42
	134	4.65	4.43	4.37	6.72	6.51	6.23	5.49	4.44	6.15	16.86	15.38	16.75
	142	4.42	4.77	4.50	6.86	6.58	6.74	0.00	0.00	0.00	11.28	11.35	11.24
Dibenzoyl-L-tartaric acid	206	4.27	4.10	4.27	0.00	0.00	0.00	4.17	4.53	4.47	8.44	8.63	8.74
	214	4.72	4.42	4.80	4.74	5.13	4.99	4.68	5.58	4.95	14.14	15.13	14.74
	220	4.73	4.82	4.73	5.09	5.09	5.11	6.96	6.87	6.87	16.78	16.78	16.71
n-Butyl acetate	207	4.70	4.73	4.78	0.00	3.03	4.71	7.53	7.95	7.83	12.23	15.71	17.32
	211	4.83	4.72	4.82	6.35	5.76	5.95	7.53	7.14	7.38	18.71	17.62	18.15
	217	4.28	4.33	4.12	6.32	6.35	6.11	7.98	7.92	7.71	18.58	18.60	17.94
Captan 90 concentrate	115	0.00	0.00	0.00	6.81	6.88	6.88	8.28	8.37	7.89	15.09	15.25	14.77
	118	0.00	0.00	0.00	6.91	6.81	6.81	7.71	8.04	8.19	14.62	14.85	15.00
	124	0.00	0.00	0.00	6.74	6.79	6.88	8.49	8.55	8.64	15.23	15.34	15.52
Methyl isobutyl ketone	207	4.83	4.75	4.80	3.45	2.38	5.11	6.63	6.42	7.68	14.91	13.55	17.59
	211	4.82	4.85	4.90	6.42	6.25	6.37	8.46	8.49	8.49	19.70	19.59	19.76
	217	4.28	3.52	3.85	6.09	5.90	5.81	8.46	8.46	8.28	18.83	17.88	17.94
Chlorhexidine	115	4.52	4.62	4.35	6.28	5.97	5.90	0.00	0.00	0.00	10.80	10.59	10.25
	118	4.68	4.55	4.63	5.72	5.55	5.74	7.50	7.50	6.90	17.90	17.60	17.27
	124	4.08	4.60	4.27	5.37	5.97	5.79	5.49	7.26	6.54	14.94	17.83	16.60
Methyl cyclopentane	128	3.85	2.75	4.18	6.88	6.86	6.77	8.25	8.34	7.89	18.98	17.95	18.84
	134	0.00	3.57	3.62	6.93	6.81	6.88	8.13	8.19	8.19	15.06	18.57	18.69
	151	4.35	0.00	0.00	6.81	6.51	6.79	7.62	6.96	7.11	18.78	13.47	13.90
4-Carboxybenzaldehyde	206	3.88	3.71	3.77	0.00	0.00	0.00	5.79	5.07	5.16	9.67	8.78	8.93
	214	4.12	4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.12	4.02	0.00
	220	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethytrimethyl acetate	207	0.13	0.40	0.00	2.92	3.59	3.87	6.72	7.38	7.44	9.77	11.37	11.31
	211	2.77	2.97	3.43	3.55	3.64	4.64	7.92	6.99	7.62	14.24	13.60	15.69
	217	4.33	4.08	3.97	5.32	3.69	5.39	7.14	7.08	7.41	16.79	14.85	16.77

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Quinacrine	206	1.03	0.45	2.75	0.00	0.00	0.00	6.87	3.30	5.49	7.90	3.75	8.24
	214	1.62	1.20	1.57	0.00	0.00	0.00	6.12	5.85	5.91	7.74	7.05	7.48
	220	0.00	0.00	0.00	1.61	2.17	2.12	5.79	5.82	5.91	7.40	7.99	8.03
Toluene	207	0.00	0.00	0.00	6.70	6.74	6.67	8.52	8.43	8.43	15.22	15.17	15.10
	211	0.00	0.00	0.00	6.91	6.86	6.72	8.40	8.37	8.16	15.31	15.23	14.88
	217	4.50	4.22	3.30	6.84	6.91	6.86	6.84	6.93	7.47	18.18	18.06	17.63
Dibenzyl phosphate	116	0.00	0.00	0.00	6.95	6.98	6.98	8.67	8.67	8.79	15.62	15.65	15.77
	119	0.00	0.00	0.00	6.91	6.86	6.91	8.73	8.10	7.62	15.64	14.96	14.53
	124	0.00	0.00	0.00	6.77	6.81	6.86	7.65	8.04	8.19	14.42	14.85	15.05
Acetone	131	0.00	0.00	0.00	6.91	6.95	6.95	8.67	8.79	8.76	15.58	15.74	15.71
	137	0.00	0.00	0.00	6.98	6.98	6.98	7.95	8.13	8.13	14.93	15.11	15.11
	144	0.00	0.00	0.00	6.81	6.91	6.95	8.40	7.92	8.67	15.21	14.83	15.62
Tetraaminopyrimidine sulfate	116	4.72	4.75	3.72	0.00	0.00	0.00	0.00	0.00	0.00	4.72	4.75	3.72
	120	4.47	3.62	4.12	0.00	0.00	0.00	0.00	0.00	0.00	4.47	3.62	4.12
	125	4.62	4.40	4.55	0.00	0.00	0.00	0.00	0.00	0.00	4.62	4.40	4.55
Cyclohexanol	131	4.10	4.27	4.20	6.81	6.88	6.77	7.68	8.13	7.74	18.59	19.28	18.71
	137	4.00	4.00	4.17	6.86	6.88	6.88	8.07	8.40	7.92	18.93	19.28	18.97
	144	4.75	4.58	4.57	6.93	6.79	6.88	7.62	6.69	8.07	19.30	18.06	19.52
Benzalkonium chloride (10%)	129	0.00	0.00	0.00	6.93	6.91	6.93	8.25	8.34	8.04	15.18	15.25	14.97
	134	0.00	0.00	0.00	6.77	6.95	6.95	8.07	8.49	8.58	14.84	15.44	15.53
	143	0.00	0.00	0.00	6.91	6.91	6.91	7.80	7.80	7.89	14.71	14.71	14.80
Parafluoroaniline	131	0.00	3.15	3.30	6.86	6.84	6.84	8.49	8.25	7.89	15.35	18.24	18.03
	137	0.00	0.00	0.00	6.93	6.91	6.93	8.46	8.37	8.37	15.39	15.28	15.30
	145	0.00	0.00	0.00	6.91	6.93	6.93	6.42	6.99	7.71	13.33	13.92	14.64
Cetylperidinium bromide (6%)	129	0.00	0.00	0.00	6.79	6.84	6.81	7.59	7.47	7.98	14.38	14.31	14.79
	135	0.00	0.00	0.00	6.86	6.88	6.91	8.07	8.34	8.19	14.93	15.22	15.10
	143	0.00	0.00	0.00	6.84	6.72	6.91	7.56	7.41	7.29	14.40	14.13	14.20
Methyl acetate	131	4.73	4.68	4.63	6.88	6.88	6.81	7.65	8.04	8.07	19.26	19.60	19.51
	137	4.33	4.10	4.47	7.00	6.98	6.93	8.04	7.77	8.49	19.37	18.85	19.89
	146	3.58	3.35	3.92	6.93	6.88	6.93	7.65	7.53	7.59	18.16	17.76	18.44

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Cetylperidinium bromide (10%)	129	0.00	0.00	0.00	6.86	6.91	6.93	7.56	7.95	7.77	14.42	14.86	14.70
	135	0.00	0.00	0.00	6.84	6.93	6.91	7.92	8.49	8.46	14.76	15.42	15.37
	143	0.00	0.00	0.00	6.86	6.86	6.93	3.54	3.33	4.74	10.40	10.19	11.67
Gamma-butyrolactone	131	4.93	4.93	4.95	6.93	6.93	6.95	7.86	7.50	7.68	19.72	19.36	19.58
	137	4.93	4.95	4.88	6.98	6.98	6.91	8.28	8.43	8.04	20.19	20.36	19.83
	145	4.90	4.93	4.93	6.93	6.98	6.93	7.02	6.03	6.81	18.85	17.94	18.67
Benzalkonium chloride (5%)	129	0.00	0.00	0.00	6.91	6.91	6.93	7.83	8.07	8.34	14.74	14.98	15.27
	135	0.00	0.00	0.00	6.88	6.98	6.95	8.37	8.10	8.34	15.25	15.08	15.29
	143	0.00	0.00	0.00	6.95	6.91	6.93	7.68	6.63	7.53	14.63	13.54	14.46
2-Ethyl-1-hexanol	131	3.97	4.18	4.40	0.00	0.00	0.00	6.93	5.82	6.33	10.90	10.00	10.73
	137	4.17	4.03	3.92	6.21	6.16	6.07	6.42	5.46	5.82	16.80	15.65	15.81
	145	4.00	3.83	3.95	5.76	6.04	6.28	2.58	1.20	0.84	12.34	11.07	11.07
Triton X-100 (10%)	129	4.60	4.57	4.47	6.77	6.79	6.79	2.49	0.81	2.64	13.86	12.17	13.90
	135	4.20	3.80	3.12	6.91	6.91	6.88	2.76	4.95	3.24	13.87	15.66	13.24
	143	3.73	4.28	4.20	6.65	6.72	6.86	4.56	1.71	2.13	14.94	12.71	13.19
Methyl ethyl ketone	205	4.95	4.95	4.97	6.63	6.65	6.77	8.55	8.61	8.58	20.13	20.21	20.32
	209	3.90	3.85	3.85	6.86	6.84	6.81	8.67	8.64	8.61	19.43	19.33	19.27
	213	0.00	0.00	0.00	6.88	6.81	6.86	8.70	8.55	8.67	15.58	15.36	15.53
Sodium lauryl sulfate (15%)	205	0.00	0.00	0.00	6.91	6.91	6.93	8.49	8.55	8.37	15.40	15.46	15.30
	210	0.00	0.00	0.00	6.91	6.88	6.84	7.89	8.37	7.77	14.80	15.25	14.61
	213	0.00	0.00	0.00	6.95	6.88	6.86	8.10	7.92	7.89	15.05	14.80	14.75
Isopropanol	132	0.00	0.00	0.00	6.86	6.93	6.93	7.38	8.13	8.10	14.24	15.06	15.03
	137	0.00	0.00	0.00	6.98	6.98	6.95	7.98	8.04	8.13	14.96	15.02	15.08
	152	0.00	0.00	0.00	6.86	6.91	6.88	7.53	7.92	7.74	14.39	14.83	14.62
Triton X-100 (5%)	130	4.30	3.70	3.97	6.32	6.44	6.42	0.00	0.00	0.00	10.62	10.14	10.39
	143	4.35	4.35	4.12	6.60	6.70	6.72	0.00	1.50	1.23	10.95	12.55	12.07
	152	3.57	3.80	4.18	6.72	6.72	6.79	0.00	0.00	0.00	10.29	10.52	10.97
Ethanol	132	0.00	0.00	0.00	6.91	6.93	6.93	8.01	7.98	8.04	14.92	14.91	14.97
	140	0.00	0.00	0.00	6.72	6.93	6.91	8.19	7.98	7.86	14.91	14.91	14.77
	145	0.00	0.00	0.00	6.86	6.91	6.88	8.13	8.31	7.59	14.99	15.22	14.47

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Sodium lauryl sulfate (3%)	130	0.00	0.00	0.00	6.84	6.79	6.51	6.30	4.83	6.18	13.14	11.62	12.69
	136	0.00	0.00	0.00	6.86	6.86	6.81	6.78	7.32	7.83	13.64	14.18	14.64
	143	0.00	0.00	0.00	6.91	6.81	6.70	4.80	3.63	2.67	11.71	10.44	9.37
Pyridine	132	4.93	0.00	4.93	6.95	6.93	6.95	8.52	8.64	8.52	20.40	15.57	20.40
	140	0.00	0.00	0.00	6.93	6.93	6.86	8.01	8.16	8.13	14.94	15.09	14.99
	145	4.80	4.57	4.72	6.86	6.91	6.88	8.16	7.89	7.86	19.82	19.37	19.46
PEG 400	210	0.00	0.00	0.00	6.70	5.27	6.70	8.49	6.57	8.43	15.19	11.84	15.13
	216	0.00	0.00	0.00	6.65	6.77	6.67	8.25	8.37	8.28	14.90	15.14	14.95
	219	0.00	0.00	0.00	6.65	6.49	6.09	8.73	8.55	8.46	15.38	15.04	14.55
Glycerol	209	0.00	0.00	0.00	5.27	5.46	5.58	8.67	8.58	8.58	13.94	14.04	14.16
	216	0.00	0.00	0.00	6.77	6.74	6.81	8.76	8.76	8.82	15.53	15.50	15.63
	220	0.00	0.00	0.00	6.14	6.25	6.28	8.61	8.61	8.67	14.75	14.86	14.95
Benzalkonium chloride (1%)	130	0.00	0.00	0.00	6.86	6.88	6.88	8.55	8.49	8.46	15.41	15.37	15.34
	136	0.00	0.00	0.00	6.88	6.98	6.95	8.25	8.25	8.19	15.13	15.23	15.14
	144	0.00	0.00	0.00	6.88	6.91	6.95	7.92	8.13	7.95	14.80	15.04	14.90
Ethyl acetate	205	4.90	4.88	4.92	6.58	6.60	6.58	7.86	8.01	7.77	19.34	19.49	19.27
	209	4.00	3.92	4.12	6.88	6.77	6.81	8.58	8.40	8.58	19.46	19.09	19.51
	213	3.83	4.37	4.05	6.60	6.58	6.51	8.70	8.64	8.46	19.13	19.59	19.02
Cetylperidinium bromide (0.1%)	210	0.00	0.00	0.00	5.90	6.04	5.93	7.11	7.35	7.32	13.01	13.39	13.25
	216	0.00	0.00	0.00	6.35	6.30	6.33	7.62	7.41	7.52	13.97	13.71	13.85
	219	0.00	0.00	0.00	5.83	5.86	5.90	5.10	6.36	3.84	10.93	12.22	9.74
Maneb	117	0.00	0.00	0.00	5.06	5.39	4.81	0.00	0.00	0.00	5.06	5.39	4.81
	123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-Napthalene acetic acid, sodium salt	115	0.00	0.00	0.00	6.67	6.70	6.81	7.71	7.17	8.07	14.38	13.87	14.88
	124	0.00	0.00	0.00	6.91	6.91	6.95	8.55	8.28	8.49	15.46	15.19	15.44
	149	0.00	2.27	0.00	6.84	6.86	6.81	8.28	7.98	7.53	15.12	17.11	14.34

Substance	Sequence Number	Hemorrhage Score			Lysis Score			Coagulation Score			*In Vitro* Score		
		Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3	Egg 1	Egg 2	Egg 3
Tween 20	130	0.00	0.00	0.00	6.49	6.23	6.53	7.86	6.09	7.20	14.35	12.32	13.73
	136	0.00	0.00	0.00	5.51	6.21	6.74	5.49	6.99	7.77	11.00	13.20	14.51
	144	0.00	0.00	0.00	6.91	6.88	6.84	8.94	8.91	8.82	15.85	15.79	15.66
	210	0.00	0.00	0.00	6.88	6.21	6.44	8.16	7.71	7.62	15.04	13.92	14.06
	219	1.90	1.68	2.33	6.35	6.28	5.23	8.40	8.40	8.19	16.65	16.36	15.75
1-Napthalene acetic acid	115	0.38	3.00	2.17	0.00	0.00	0.00	0.00	2.40	0.36	0.38	5.40	2.53
	118	1.92	2.62	2.03	4.50	3.83	3.66	4.95	3.87	2.88	11.37	10.32	8.57
	124	0.00	2.00	0.00	1.91	3.34	4.11	3.27	3.36	4.44	5.18	8.70	8.55
	149	2.42	3.52	2.57	0.00	0.00	0.00	0.00	0.00	0.00	2.42	3.52	2.57

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Appendix E3

Intralaboratory Repeatability Results (Expressed as %CV) for Data of Gilleron et al. (1996)

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Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
Allyl Alcohol	86	0.00	0.00		3.91	3.39	**86.63**	8.82	0.08	**0.90**	12.73	3.37	**26.44**
	95	0.62	1.07	**173.21**	1.38	2.38	**173.21**	8.03	0.18	**2.19**	10.02	3.52	**35.09**
	99	0.00	0.00		6.25	0.30	**4.82**	8.27	0.10	**1.17**	14.52	0.40	**2.72**
2-Aminophenol	91	0.00	0.00		0.00	0.00		1.42	1.27	**89.14**	1.42	1.27	**89.14**
	96	0.00	0.00		0.00	0.00		1.09	1.71	**156.82**	1.09	1.71	**156.82**
	101	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Anthracene	91	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	95	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	99	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Butyrolactone	88	4.98	0.01	**0.12**	0.00	0.00		7.89	0.48	**6.04**	12.87	0.47	**3.69**
	95	4.94	0.04	**0.82**	0.00	0.00		7.84	0.23	**2.97**	12.78	0.20	**1.58**
	100	4.72	0.34	**7.16**	4.55	0.51	**11.18**	6.67	0.78	**11.70**	15.94	1.07	**6.72**
Cyclohexanone	89	4.34	0.42	**9.61**	0.00	0.00		7.92	0.42	**5.30**	12.26	0.24	**1.94**
	98	4.64	0.47	**10.16**	6.61	0.18	**2.69**	7.59	0.68	**8.93**	18.85	1.01	**5.38**
	104	4.63	0.19	**4.11**	5.46	2.01	**36.75**	2.20	1.76	**80.22**	12.29	3.65	**29.67**
Deoxycholic acid, sodium salt	89	1.96	1.97	**100.26**	6.09	0.44	**7.21**	8.34	0.34	**4.05**	16.39	2.59	**15.78**
	97	1.27	1.32	**103.73**	5.55	0.57	**10.32**	0.00	0.00		6.82	0.75	**10.92**
	102	0.00	0.00		5.89	0.53	**8.94**	0.00	0.00		5.89	0.53	**8.94**
Diacetone alcohol	89	3.79	0.98	**25.83**	0.00	0.00		8.13	0.97	**11.88**	11.92	0.58	**4.87**
	98	4.90	0.03	**0.61**	5.57	0.29	**5.17**	6.53	0.86	**13.19**	17.00	1.02	**6.02**
	104	4.84	0.05	**1.07**	6.10	0.17	**2.74**	5.28	1.79	**33.88**	16.22	1.88	**11.57**
Dibenzoyl-L-tartaric acid	90	1.38	2.40	**173.21**	0.00	0.00		0.00	0.00		1.38	2.40	**173.21**
	93	4.83	0.03	**0.60**	0.00	0.00		0.00	0.00		4.83	0.03	**0.60**
	102	4.72	0.11	**2.25**	1.59	1.73	**108.99**	0.00	0.00		6.30	1.81	**28.65**
2,4-Dichloro-5-sulfamoyl-	91	1.61	2.78	**173.21**	0.00	0.00		0.00	0.00		1.61	2.78	**173.21**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
benzoic acid	93	4.82	0.04	**0.73**	0.00	0.00		1.21	1.13	**93.77**	6.03	1.15	**19.01**
	100	3.67	0.99	**27.03**	0.00	0.00		0.00	0.00		3.67	0.99	**27.03**
Dimethyl biguanidine	92	0.00	0.00		0.00	0.00		8.07	0.53	**6.61**	8.07	0.53	**6.61**
	93	0.00	0.00		4.02	1.89	**46.97**	6.76	1.83	**27.07**	10.78	2.00	**18.55**
	103	0.00	0.00		6.46	0.12	**1.80**	0.00	0.00		6.46	0.12	**1.80**
Dimethyl sulfoxide	88	0.00	0.00		6.38	0.26	**4.02**	8.49	0.22	**2.55**	14.87	0.21	**1.41**
	93	0.39	0.68	**173.21**	0.00	0.00		7.00	0.36	**5.11**	7.39	0.85	**11.49**
	101	0.00	0.00		6.15	0.38	**6.15**	5.36	0.62	**11.50**	11.51	0.43	**3.74**
Ethanol	89	0.00	0.00		0.00	0.00		8.43	0.22	**2.57**	8.43	0.22	**2.57**
	97	0.00	0.00		5.79	0.08	**1.40**	5.68	0.35	**6.08**	11.47	0.42	**3.64**
	102	0.00	0.00		6.27	0.45	**7.12**	7.80	0.29	**3.71**	14.07	0.40	**2.83**
2-Ethoxyethanol	86	0.85	1.47	**173.21**	0.42	0.73	**173.21**	8.62	0.35	**4.08**	9.89	1.85	**18.75**
	95	1.82	2.35	**128.66**	0.00	0.00		6.22	0.23	**3.62**	8.04	2.14	**26.55**
	99	0.00	0.00		5.63	0.29	**5.11**	7.81	0.40	**5.12**	13.44	0.18	**1.35**
Ethylenediaminetetra-acetic acid, dipotassium	91	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	94	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	99	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Furan	88	0.00	0.00		0.43	0.74	**173.21**	4.08	3.02	**73.96**	4.51	2.28	**50.59**
	95	0.92	1.60	**173.21**	1.74	1.55	**89.39**	3.88	2.37	**61.19**	6.54	2.65	**40.51**
	100	0.00	0.00		5.06	0.48	**9.47**	0.44	0.55	**123.92**	5.50	0.48	**8.74**
Gluconolactone	91	0.00	0.00		0.00	0.00		8.17	0.48	**5.89**	8.17	0.48	**5.89**
	93	0.00	0.00		2.08	3.61	**173.21**	0.00	0.00		2.08	3.61	**173.21**
	101	0.00	0.00		3.40	2.09	**61.51**	0.00	0.00		3.40	2.09	**61.51**
DL-Glutamic acid	91	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	95	2.03	1.78	**87.69**	0.00	0.00		0.00	0.00		2.03	1.78	**87.69**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
	100	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
3-Glycidopropyl-trimethoxysilane	99	3.63	0.48	**13.10**	0.00	0.00		0.00	0.00		3.63	0.48	**13.10**
	100	3.63	0.16	**4.33**	0.00	0.00		1.79	0.81	**45.01**	5.42	0.75	**13.87**
	105	3.90	0.11	**2.88**	0.00	0.00		0.00	0.00		3.90	0.11	**2.88**
Hexadecyltrimethyl-ammonium bromide	90	4.59	0.19	**4.15**	4.22	1.19	**28.26**	7.58	0.41	**5.37**	16.39	1.05	**6.43**
	97	2.81	2.44	**86.70**	4.85	1.11	**22.91**	0.00	0.00		7.66	2.03	**26.43**
	103	0.00	0.00		6.32	0.19	**2.93**	2.15	1.95	**90.78**	8.47	1.93	**22.78**
Hexane	86	1.24	0.78	**63.10**	0.00	0.00		4.62	0.19	**4.06**	5.86	0.80	**13.63**
	93	0.00	0.00		0.00	0.00		0.57	0.99	**173.21**	0.57	0.99	**173.21**
	105	0.00	0.00		2.82	2.48	**87.96**	0.00	0.00		2.82	2.48	**87.96**
Iminodibenzyl	92	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	96	0.00	0.00		0.00	0.00		0.09	0.16	**173.21**	0.09	0.16	**173.21**
	102	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Magnesium carbonate	92	0.00	0.00		0.00	0.00		3.53	1.33	**37.76**	3.53	1.33	**37.76**
	101	0.00	0.00		0.00	0.00		0.76	1.32	**173.21**	0.76	1.32	**173.21**
	106	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Methyl isobutyl ketone	88	2.09	1.85	**88.54**	0.00	0.00		7.16	0.48	**6.73**	9.25	2.15	**23.26**
	96	3.79	0.77	**20.40**	2.39	0.45	**19.01**	5.98	1.76	**29.46**	12.16	1.17	**9.61**
	105	3.46	0.44	**12.77**	6.60	0.19	**2.81**	0.00	0.00		10.06	0.48	**4.78**
MYRJ 45	92	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	97	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	102	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
1-Nitropropane	86	0.42	0.73	**173.21**	0.00	0.00		2.64	2.32	**88.05**	3.06	2.86	**93.20**
	87	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	95	1.32	0.88	**66.81**	1.55	2.68	**173.21**	2.51	2.41	**95.92**	5.37	0.71	**13.25**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
Octanol	88	2.01	1.75	**87.26**	1.51	2.62	**173.21**	4.47	1.66	**37.08**	7.99	2.35	**29.37**
	102	3.56	0.51	**14.33**	3.84	0.12	**3.02**	2.90	0.17	**5.88**	10.29	0.58	**5.67**
	106	3.37	0.15	**4.56**	5.73	0.48	**8.42**	2.14	1.50	**70.17**	11.25	1.32	**11.71**
2,4-Pentanedione	86	4.41	0.33	**7.60**	0.00	0.00		5.86	1.97	**33.57**	10.27	2.01	**19.58**
	87	4.37	0.19	**4.44**	0.00	0.00		6.39	0.90	**14.08**	10.76	1.07	**9.90**
	93	4.17	0.23	**5.62**	0.00	0.00		1.20	2.08	**173.21**	5.37	2.05	**38.06**
1-Phenyl-3-pyrazolidone	91	0.00	0.00		0.00	0.00		0.60	1.04	**173.21**	0.60	1.04	**173.21**
	96	0.00	0.00		0.00	0.00		0.79	1.05	**132.77**	0.79	1.05	**132.77**
	101	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Polyoxythethylene 23 lauryl ether	92	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	97	4.52	0.08	**1.68**	0.00	0.00		0.00	0.00		4.52	0.08	**1.68**
	103	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Propyl-4-hydroxy-benzoate	92	1.11	1.92	**173.21**	0.00	0.00		0.38	0.66	**173.21**	1.49	2.58	**173.21**
	96	2.82	0.58	**20.37**	0.00	0.00		0.25	0.43	**173.21**	3.07	0.72	**23.36**
	101	1.07	0.87	**81.17**	0.00	0.00		0.00	0.00		1.07	0.87	**81.17**
Pyridine	89	2.97	2.61	**87.69**	0.00	0.00		8.68	0.23	**2.62**	11.65	2.39	**20.51**
	98	4.65	0.30	**6.55**	6.89	0.04	**0.52**	5.74	3.20	**55.83**	17.28	3.03	**17.54**
	104	4.34	0.87	**19.93**	6.74	0.28	**4.17**	7.31	0.51	**6.99**	18.39	0.44	**2.37**
Quinacrine	90	4.64	0.03	**0.75**	0.00	0.00		1.05	1.82	**173.21**	5.69	1.85	**32.57**
	93	4.82	0.05	**0.96**	0.00	0.00		0.00	0.00		4.82	0.05	**0.96**
	103	0.07	0.12	**173.21**	3.72	1.23	**33.14**	5.19	1.68	**32.35**	8.97	2.89	**32.23**
Tetraaminopyrimidine sulfate	92	1.59	2.75	**173.21**	0.00	0.00		0.00	0.00		1.59	2.75	**173.21**
	93	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	103	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Thiourea	90	3.88	0.09	**2.19**	6.82	0.07	**1.06**	7.48	0.53	**7.07**	18.18	0.50	**2.76**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
	103	3.83	0.06	**1.68**	6.61	0.03	**0.44**	0.00	0.00		10.44	0.04	**0.35**
	107	4.02	0.13	**3.11**	6.70	0.06	**0.87**	0.00	0.00		10.72	0.13	**1.21**
1,2,3-Tricholoropropane	89	0.53	0.83	**157.05**	0.00	0.00		5.50	2.43	**44.21**	6.03	2.85	**47.29**
	98	3.70	0.55	**14.76**	0.81	0.96	**118.49**	4.99	0.60	**11.94**	9.50	1.11	**11.74**
	104	3.27	0.55	**16.98**	3.84	0.48	**12.47**	0.91	0.35	**38.63**	8.02	0.31	**3.92**
1,2,4-Trimethylbenzene	88	0.37	0.55	**150.21**	0.00	0.00		4.09	2.45	**59.88**	4.46	2.92	**65.53**
	95	0.62	1.07	**173.21**	0.00	0.00		0.88	1.52	**173.21**	1.50	2.59	**173.21**
	100	0.00	0.00		4.90	1.05	**21.39**	2.42	1.55	**64.13**	7.32	1.40	**19.08**
Triton X-155	92	0.25	0.43	**173.21**	0.00	0.00		1.03	1.53	**148.70**	1.28	1.33	**103.67**
	98	2.77	1.29	**46.38**	2.98	2.59	**86.86**	0.00	0.00		5.75	3.83	**66.62**
	104	0.00	0.00		4.74	0.17	**3.48**	0.00	0.00		4.74	0.17	**3.48**
Benzethonium chloride[1]	90	4.71	0.18	**3.83**	0.00	0.00		7.71	0.47	**6.08**	12.42	0.63	**5.08**
	98	4.39	0.40	**9.12**	5.84	0.53	**9.00**	7.79	0.61	**7.79**	18.03	0.89	**4.95**
	104	0.00	0.00		6.53	0.06	**0.90**	0.37	0.33	**89.68**	6.90	0.28	**4.06**
	107	0.00	0.00		6.76	0.04	**0.60**	6.08	0.27	**4.48**	12.84	0.28	**2.18**
Ethylacetoacetate[1]	89	3.97	0.16	**4.12**	0.00	0.00		3.52	0.58	**16.56**	7.49	0.68	**9.08**
	97	3.16	0.59	**18.72**	1.45	1.95	**134.57**	0.00	0.00		4.61	1.37	**29.81**
	102	3.99	0.45	**11.23**	4.57	0.30	**6.47**	5.04	0.67	**13.26**	13.61	0.42	**3.05**
Imidazole[1]	96	4.41	0.34	**7.63**	4.31	0.87	**20.16**	8.91	0.00	**0.00**	17.63	1.20	**6.80**
	100	4.83	0.03	**0.52**	6.22	0.62	**9.93**	5.47	0.99	**18.14**	16.52	1.61	**9.72**
	105	4.90	0.03	**0.59**	6.89	0.03	**0.42**	7.29	0.53	**7.28**	19.09	0.49	**2.55**
	118	4.68	0.22	**4.76**	6.85	0.06	**0.88**	7.03	0.20	**2.84**	18.57	0.30	**1.60**
	115	4.90	0.03	**0.51**	6.56	0.25	**3.78**	8.48	0.33	**3.90**	19.94	0.11	**0.54**
	116	4.80	0.04	**0.84**	6.71	0.19	**2.82**	7.70	0.20	**2.59**	19.20	0.22	**1.16**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Substance	Test Number	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
N-Laurylsarcosine, sodium salt[1]	92	2.68	2.37	**88.71**	6.23	0.47	**7.62**	8.71	0.06	**0.72**	17.62	2.11	**11.98**
	94	2.91	2.52	**86.74**	6.34	0.23	**3.70**	1.13	1.26	**111.58**	10.38	1.69	**16.24**
	106	0.00	0.00		6.91	0.03	**0.36**	4.06	0.23	**5.59**	10.97	0.23	**2.14**
	103	1.46	2.53	**173.21**	6.63	0.03	**0.38**	0.24	0.42	**173.21**	8.33	2.33	**27.95**
Laurylsulfobetaine[1]	92	0.00	0.00		6.14	0.16	**2.55**	2.92	0.83	**28.29**	9.06	0.94	**10.40**
	94	0.22	0.39	**173.21**	5.71	1.43	**25.03**	3.75	3.12	**83.15**	9.68	4.15	**42.87**
	104	0.00	0.00		6.83	0.02	**0.25**	0.00	0.00		6.83	0.02	**0.25**
Methanol[1]	89	0.00	0.00		3.69	3.29	**89.14**	8.57	0.11	**1.33**	12.26	3.36	**27.40**
	93	0.00	0.00		0.00	0.00		7.97	0.12	**1.57**	7.97	0.12	**1.57**
	102	0.00	0.00		6.79	0.09	**1.33**	8.38	0.12	**1.49**	15.17	0.20	**1.32**
	105	0.00	0.00		6.84	0.05	**0.66**	5.81	1.59	**27.37**	12.65	1.55	**12.22**
2-Methoxyethanol[1]	88	0.00	0.00		5.94	1.14	**19.25**	8.39	0.22	**2.64**	14.33	0.93	**6.47**
	89	0.00	0.00		5.09	1.22	**24.00**	8.45	0.30	**3.59**	13.54	1.27	**9.40**
	96	0.00	0.00		5.39	0.32	**5.95**	7.96	0.05	**0.58**	13.35	0.29	**2.14**
	101	0.00	0.00		6.02	0.29	**4.84**	5.66	0.92	**16.25**	11.68	0.71	**6.11**
Promethazine hydrochloride[1]	85	0.00	0.00		6.69	0.11	**1.64**	8.37	0.71	**8.47**	15.06	0.80	**5.30**
	90	2.58	0.76	**29.32**	0.00	0.00		8.57	0.12	**1.46**	11.15	0.77	**6.91**
	102	0.00	0.00		6.71	0.07	**1.03**	8.51	0.02	**0.20**	15.22	0.05	**0.34**
	97	0.00	0.00		6.70	0.18	**2.61**	8.29	0.09	**1.04**	14.99	0.20	**1.31**
Triethanolamine[1]	89	0.00	0.00		3.23	0.50	**15.64**	7.59	0.80	**10.48**	10.82	1.28	**11.82**
	104	0.00	0.00		6.70	0.18	**2.61**	5.72	0.88	**15.35**	12.42	0.91	**7.34**
	107	0.00	0.00		6.36	0.35	**5.52**	6.75	0.89	**13.13**	13.11	0.78	**5.94**

Abbreviations: %CV = percent coefficient of variation; SD = standard deviation
[1]Data not originally presented in Gilleron et al. (1996).

Appendix E4

Intralaboratory Repeatability Results (Expressed as %CV) for Data of Gilleron et al. (1997)

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Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
Acetone	131	0.00	0.00		6.94	0.02	**0.33**	8.74	0.06	**0.71**	15.68	0.09	**0.54**
	137	0.00	0.00		6.98	0.00	**0.00**	8.07	0.10	**1.29**	15.05	0.10	**0.69**
	144	0.00	0.00		6.89	0.07	**1.05**	8.33	0.38	**4.56**	15.22	0.40	**2.60**
Ammonium nitrate	117	1.04	0.91	**87.03**	6.76	0.04	**0.53**	6.28	1.11	**17.61**	14.08	0.22	**1.53**
	122	0.38	0.23	**59.62**	6.87	0.05	**0.75**	8.13	0.13	**1.61**	15.38	0.22	**1.43**
	126	1.67	0.26	**15.47**	6.86	0.02	**0.29**	8.02	0.07	**0.86**	16.55	0.29	**1.75**
L-Aspartic Acid	206	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	214	0.00	0.00		1.29	2.23	**173.21**	1.07	1.85	**173.21**	2.36	4.09	**173.21**
	220	0.00	0.00		0.00	0.00		0.81	1.40	**173.21**	0.81	1.40	**173.21**
Benzalkonium chloride (1%)	130	0.00	0.00		6.87	0.01	**0.17**	8.50	0.05	**0.54**	15.37	0.04	**0.23**
	136	0.00	0.00		6.94	0.05	**0.74**	8.23	0.03	**0.42**	15.17	0.06	**0.36**
	144	0.00	0.00		6.91	0.04	**0.51**	8.00	0.11	**1.42**	14.91	0.12	**0.81**
Benzalkonium chloride (10%)	129	0.00	0.00		6.92	0.01	**0.17**	8.21	0.15	**1.88**	15.13	0.15	**0.96**
	134	0.00	0.00		6.89	0.10	**1.51**	8.38	0.27	**3.25**	15.27	0.38	**2.46**
	143	0.00	0.00		6.91	0.00	**0.00**	7.83	0.05	**0.66**	14.74	0.05	**0.35**
Benzalkonium chloride (5%)	129	0.00	0.00		6.92	0.01	**0.17**	8.08	0.26	**3.16**	15.00	0.27	**1.77**
	135	0.00	0.00		6.94	0.05	**0.74**	8.27	0.15	**1.79**	15.21	0.11	**0.73**
	143	0.00	0.00		6.93	0.02	**0.29**	7.28	0.57	**7.80**	14.21	0.59	**4.13**
n-Butyl acetate	207	4.74	0.04	**0.85**	2.58	2.39	**92.52**	7.77	0.22	**2.78**	15.09	2.60	**17.24**
	211	4.79	0.06	**1.27**	6.02	0.30	**5.00**	7.35	0.20	**2.68**	18.16	0.55	**3.00**
	217	4.24	0.11	**2.59**	6.26	0.13	**2.09**	7.87	0.14	**1.80**	18.37	0.38	**2.04**
Gamma-butyrolactone	131	4.94	0.01	**0.23**	6.94	0.01	**0.17**	7.68	0.18	**2.34**	19.55	0.18	**0.93**
	137	4.92	0.04	**0.73**	6.96	0.04	**0.58**	8.25	0.20	**2.38**	20.13	0.27	**1.34**
	145	4.92	0.02	**0.35**	6.95	0.03	**0.42**	6.62	0.52	**7.88**	18.49	0.48	**2.61**
Captan 90 concentrate	115	0.00	0.00		6.86	0.04	**0.59**	8.18	0.26	**3.12**	15.04	0.24	**1.63**
	118	0.00	0.00		6.84	0.06	**0.84**	7.98	0.25	**3.08**	14.82	0.19	**1.29**
	124	0.00	0.00		6.80	0.07	**1.04**	8.56	0.08	**0.88**	15.36	0.15	**0.95**
4-Carboxybenzalde-hyde	206	3.79	0.09	**2.28**	0.00	0.00		5.34	0.39	**7.35**	9.13	0.48	**5.22**
	214	2.71	2.35	**86.62**	0.00	0.00		0.00	0.00		2.71	2.35	**86.62**
	220	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Cetylpyridinium-	210	0.00	0.00		5.96	0.07	**1.24**	7.26	0.13	**1.80**	13.22	0.19	**1.45**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
bromide (0.1%)	216	0.00	0.00		6.33	0.03	**0.40**	7.52	0.11	**1.40**	13.84	0.13	**0.94**
	219	0.00	0.00		5.86	0.04	**0.60**	5.10	1.26	**24.71**	10.96	1.24	**11.31**
Cetylpyridinium-bromide (6%)	129	0.00	0.00		6.81	0.03	**0.37**	7.68	0.27	**3.47**	14.49	0.26	**1.79**
	135	0.00	0.00		6.88	0.03	**0.37**	8.20	0.14	**1.65**	15.08	0.15	**0.97**
	143	0.00	0.00		6.82	0.10	**1.41**	7.42	0.14	**1.82**	14.24	0.14	**0.98**
Cetylpyridinium bromide (10%)	129	0.00	0.00		6.90	0.04	**0.52**	7.76	0.20	**2.52**	14.66	0.22	**1.52**
	135	0.00	0.00		6.89	0.05	**0.69**	8.29	0.32	**3.87**	15.18	0.37	**2.42**
	143	0.00	0.00		6.88	0.04	**0.59**	3.87	0.76	**19.66**	10.75	0.80	**7.45**
Chlorhexidine	115	4.50	0.14	**3.04**	6.05	0.20	**3.34**	0.00	0.00		10.55	0.28	**2.63**
	118	4.62	0.07	**1.42**	5.67	0.10	**1.84**	7.30	0.35	**4.75**	17.59	0.32	**1.79**
	124	4.32	0.26	**6.10**	5.71	0.31	**5.39**	6.43	0.89	**13.84**	16.46	1.45	**8.81**
Cyclohexanol	131	4.19	0.09	**2.04**	6.82	0.06	**0.82**	7.85	0.24	**3.11**	18.86	0.37	**1.95**
	137	4.06	0.10	**2.42**	6.87	0.01	**0.17**	8.13	0.25	**3.02**	19.06	0.19	**1.01**
	144	4.63	0.10	**2.18**	6.87	0.07	**1.03**	7.46	0.70	**9.43**	18.96	0.79	**4.15**
Dibenzoyl-L-tartaric acid	206	4.21	0.10	**2.33**	0.00	0.00		4.39	0.19	**4.39**	8.60	0.15	**1.76**
	214	4.65	0.20	**4.31**	4.95	0.20	**3.99**	5.07	0.46	**9.11**	14.67	0.50	**3.40**
	220	4.76	0.05	**1.09**	5.10	0.01	**0.23**	6.90	0.05	**0.75**	16.76	0.04	**0.24**
Dibenzyl phosphate	116	0.00	0.00		6.97	0.02	**0.25**	8.71	0.07	**0.80**	15.68	0.08	**0.51**
	119	0.00	0.00		6.89	0.03	**0.42**	8.15	0.56	**6.83**	15.04	0.56	**3.72**
	124	0.00	0.00		6.81	0.05	**0.66**	7.96	0.28	**3.50**	14.77	0.32	**2.18**
2,6-Dichlorobenzoyl chloride	128	0.00	0.00		5.01	0.72	**14.30**	4.94	0.25	**5.09**	9.95	0.69	**6.96**
	133	0.00	0.00		6.60	0.03	**0.38**	6.13	0.56	**9.11**	12.73	0.55	**4.29**
	141	0.00	0.00		6.30	0.24	**3.79**	3.23	4.17	**129.01**	9.53	4.21	**44.19**
2,2-Dimethylbutanoic acid	127	0.00	0.00		6.71	0.10	**1.47**	8.34	0.19	**2.25**	15.05	0.28	**1.85**
	133	0.00	0.00		6.95	0.03	**0.36**	8.39	0.15	**1.76**	15.34	0.15	**0.98**
	141	0.00	0.00		6.91	0.04	**0.51**	8.62	0.02	**0.20**	15.53	0.04	**0.24**
2,5-Dimethyl-hexandiol	150	4.39	0.17	**3.85**	6.81	0.10	**1.39**	4.56	0.26	**5.62**	15.77	0.47	**2.95**
	122	4.08	0.32	**7.80**	6.27	0.15	**2.32**	4.68	1.05	**22.45**	15.03	1.26	**8.36**
	126	4.07	0.07	**1.60**	4.58	0.49	**10.75**	6.55	0.15	**2.35**	15.20	0.64	**4.23**
Ethanol	132	0.00	0.00		6.92	0.01	**0.17**	8.01	0.03	**0.37**	14.93	0.03	**0.22**
	140	0.00	0.00		6.85	0.12	**1.69**	8.01	0.17	**2.09**	14.86	0.08	**0.54**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
	145	0.00	0.00		6.88	0.03	**0.37**	8.01	0.37	**4.68**	14.89	0.38	**2.58**
Ethyl acetate	205	4.90	0.02	**0.41**	6.59	0.01	**0.18**	7.88	0.12	**1.54**	19.37	0.11	**0.58**
	209	4.01	0.10	**2.51**	6.82	0.06	**0.82**	8.52	0.10	**1.22**	19.35	0.23	**1.19**
	213	4.08	0.27	**6.65**	6.56	0.05	**0.72**	8.60	0.12	**1.45**	19.25	0.30	**1.57**
2-Ethyl-1-hexanol	131	4.18	0.22	**5.14**	0.00	0.00		6.36	0.56	**8.74**	10.54	0.48	**4.54**
	137	4.04	0.13	**3.10**	6.15	0.07	**1.15**	5.90	0.48	**8.22**	16.09	0.62	**3.87**
	145	3.93	0.09	**2.23**	6.03	0.26	**4.32**	1.54	0.92	**59.64**	11.49	0.73	**6.38**
Ethyl-2-methyl-acetoacetate	128	4.43	0.04	**0.79**	0.00	0.00		6.77	0.23	**3.33**	11.20	0.21	**1.84**
	134	4.48	0.15	**3.29**	6.49	0.25	**3.79**	5.36	0.86	**16.09**	16.33	0.82	**5.05**
	142	4.56	0.18	**4.02**	6.73	0.14	**2.09**	0.00	0.00		11.29	0.06	**0.49**
Ethyltrimethyl acetate	207	0.18	0.20	**115.50**	3.46	0.49	**14.11**	7.18	0.40	**5.56**	10.82	0.91	**8.38**
	211	3.06	0.34	**11.07**	3.94	0.61	**15.34**	7.51	0.47	**6.32**	14.51	1.07	**7.38**
	217	4.13	0.18	**4.47**	4.80	0.96	**20.04**	7.21	0.18	**2.44**	16.14	1.11	**6.91**
Fomesafen	117	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	123	0.00	0.00		0.00	0.00		1.07	0.62	**58.36**	1.07	0.62	**58.36**
	150	0.00	0.00		0.00	0.00		2.56	0.66	**25.82**	2.56	0.66	**25.82**
Glycerol	209	0.00	0.00		5.44	0.16	**2.88**	8.61	0.05	**0.60**	14.05	0.11	**0.78**
	216	0.00	0.00		6.77	0.04	**0.52**	8.78	0.03	**0.39**	15.55	0.07	**0.44**
	220	0.00	0.00		6.22	0.07	**1.18**	8.63	0.03	**0.40**	14.85	0.10	**0.67**
n-Hexanol	127	3.84	0.88	**22.80**	6.56	0.09	**1.44**	7.63	0.30	**3.88**	18.03	1.12	**6.20**
	133	4.39	0.06	**1.37**	6.92	0.02	**0.33**	6.00	0.37	**6.14**	17.31	0.43	**2.47**
	141	4.12	0.21	**5.18**	6.72	0.05	**0.74**	6.51	0.57	**8.76**	17.35	0.69	**3.98**
Imidazole	116	4.79	0.02	**0.48**	6.86	0.04	**0.59**	7.39	0.26	**3.50**	19.04	0.26	**1.35**
	121	4.64	0.11	**2.28**	6.91	0.03	**0.36**	7.73	0.09	**1.12**	19.28	0.18	**0.95**
	125	4.87	0.02	**0.31**	6.93	0.00	**0.00**	8.18	0.33	**4.04**	19.98	0.32	**1.60**
Isobutanol	127	4.42	0.11	**2.50**	6.76	0.05	**0.77**	8.15	0.20	**2.45**	19.33	0.26	**1.35**
	133	4.67	0.07	**1.46**	6.89	0.07	**1.05**	7.93	0.12	**1.53**	19.49	0.12	**0.59**
	141	4.73	0.11	**2.28**	6.92	0.05	**0.74**	7.75	0.32	**4.18**	19.40	0.41	**2.11**
Isopropanol	132	0.00	0.00		6.91	0.04	**0.59**	7.87	0.42	**5.40**	14.78	0.47	**3.15**
	137	0.00	0.00		6.97	0.02	**0.25**	8.05	0.08	**0.94**	15.02	0.06	**0.40**
	152	0.00	0.00		6.88	0.03	**0.37**	7.73	0.20	**2.53**	14.61	0.22	**1.51**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
Methyl acetate	131	4.68	0.05	**1.07**	6.86	0.04	**0.59**	7.92	0.23	**2.96**	19.46	0.18	**0.91**
	137	4.30	0.19	**4.34**	6.97	0.04	**0.52**	8.10	0.36	**4.49**	19.37	0.52	**2.68**
	146	3.62	0.29	**7.93**	6.91	0.03	**0.42**	7.59	0.06	**0.79**	18.12	0.34	**1.89**
Methyl cyanoacetate	128	4.47	0.16	**3.60**	4.54	0.84	**18.57**	7.04	0.45	**6.40**	16.05	1.42	**8.82**
	142	4.82	0.06	**1.33**	6.57	0.08	**1.22**	3.83	1.00	**26.08**	15.23	1.00	**6.59**
	161	4.67	0.21	**4.40**	6.28	0.18	**2.83**	6.70	0.70	**10.50**	17.65	1.08	**6.10**
Methyl cyclopentane	128	3.59	0.75	**20.84**	6.84	0.06	**0.86**	8.16	0.24	**2.92**	18.59	0.56	**3.01**
	134	2.40	2.08	**86.61**	6.87	0.06	**0.88**	8.17	0.03	**0.42**	17.44	2.06	**11.82**
	151	1.45	2.51	**173.21**	6.70	0.17	**2.50**	7.23	0.35	**4.79**	15.38	2.95	**19.17**
Methyl ethyl ketone	205	4.96	0.01	**0.23**	6.68	0.08	**1.13**	8.58	0.03	**0.35**	20.22	0.10	**0.47**
	209	3.87	0.03	**0.75**	6.84	0.03	**0.37**	8.64	0.03	**0.35**	19.34	0.08	**0.42**
	213	0.00	0.00		6.85	0.04	**0.53**	8.64	0.08	**0.92**	15.49	0.12	**0.74**
Methyl isobutyl ketone	207	4.79	0.04	**0.84**	3.65	1.38	**37.72**	6.91	0.68	**9.77**	15.35	2.06	**13.39**
	211	4.86	0.04	**0.83**	6.35	0.09	**1.38**	8.48	0.02	**0.20**	19.68	0.09	**0.44**
	217	3.88	0.38	**9.81**	5.93	0.14	**2.41**	8.40	0.10	**1.24**	18.22	0.53	**2.92**
n-Octanol	205	4.68	0.14	**2.97**	5.26	0.27	**5.14**	7.69	0.35	**4.56**	17.63	0.74	**4.20**
	209	4.68	0.07	**1.40**	4.33	0.21	**4.88**	7.28	0.43	**5.85**	16.29	0.37	**2.28**
	213	4.02	0.33	**8.28**	5.64	0.37	**6.65**	6.53	0.06	**0.98**	16.18	0.02	**0.13**
Parafluoroaniline	131	2.15	1.86	**86.67**	6.85	0.01	**0.17**	8.21	0.30	**3.68**	17.21	1.61	**9.36**
	137	0.00	0.00		6.92	0.01	**0.17**	8.40	0.05	**0.62**	15.32	0.06	**0.38**
	145	0.00	0.00		6.92	0.01	**0.17**	7.04	0.65	**9.18**	13.96	0.66	**4.70**
PEG 400	210	0.00	0.00		6.22	0.83	**13.27**	7.83	1.09	**13.94**	14.05	1.92	**13.64**
	216	0.00	0.00		6.70	0.06	**0.96**	8.30	0.06	**0.75**	15.00	0.13	**0.84**
	219	0.00	0.00		6.41	0.29	**4.50**	8.58	0.14	**1.60**	14.99	0.42	**2.78**
Potassium cyanate	117	0.00	0.00		6.77	0.06	**0.95**	6.19	0.27	**4.37**	12.96	0.22	**1.71**
	122	0.00	0.00		6.86	0.02	**0.29**	8.22	0.12	**1.46**	15.08	0.10	**0.66**
	150	0.00	0.00		6.66	0.08	**1.20**	8.12	0.25	**3.10**	14.78	0.27	**1.79**
Pyridine	132	3.29	2.85	**86.60**	6.94	0.01	**0.17**	8.56	0.07	**0.81**	18.79	2.79	**14.84**
	140	0.00	0.00		6.91	0.04	**0.59**	8.10	0.08	**0.98**	15.01	0.08	**0.51**
	145	4.70	0.12	**2.49**	6.88	0.03	**0.37**	7.97	0.17	**2.07**	19.55	0.24	**1.22**
Promethazine	206	0.00	0.00		0.00	0.00		4.87	0.74	**15.12**	4.87	0.74	**15.12**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
	214	0.00	0.00		2.32	1.27	**54.85**	3.92	0.42	**10.72**	6.24	0.92	**14.72**
	220	0.00	0.00		1.27	1.13	**88.73**	6.42	0.57	**8.95**	7.69	1.16	**15.07**
Quinacrine	206	1.41	1.20	**84.83**	0.00	0.00		5.22	1.80	**34.49**	6.63	2.50	**37.71**
	214	1.46	0.23	**15.68**	0.00	0.00		5.96	0.14	**2.38**	7.42	0.35	**4.69**
	220	0.00	0.00		1.97	0.31	**15.76**	5.84	0.06	**1.07**	7.81	0.35	**4.52**
Sodium hydroxide (1%)	127	4.94	0.04	**0.73**	6.89	0.05	**0.69**	7.32	0.21	**2.87**	19.15	0.15	**0.80**
	132	4.94	0.01	**0.23**	6.94	0.01	**0.17**	7.10	0.41	**5.77**	18.99	0.40	**2.11**
	141	4.88	0.02	**0.31**	6.95	0.03	**0.42**	7.07	0.41	**5.76**	18.90	0.45	**2.36**
Sodium hydroxide (10%)	127	4.99	0.01	**0.23**	6.91	0.00	**0.00**	8.59	0.14	**1.65**	20.49	0.13	**0.64**
	132	4.99	0.01	**0.23**	7.00	0.00	**0.00**	8.65	0.09	**1.06**	20.64	0.08	**0.39**
	140	4.89	0.08	**1.54**	6.98	0.03	**0.36**	8.68	0.24	**2.79**	20.54	0.17	**0.81**
Sodium lauryl sulfate (3%)	130	0.00	0.00		6.71	0.18	**2.65**	5.77	0.82	**14.15**	12.48	0.78	**6.25**
	136	0.00	0.00		6.84	0.03	**0.42**	7.31	0.53	**7.18**	14.15	0.50	**3.54**
	143	0.00	0.00		6.81	0.11	**1.54**	3.70	1.07	**28.83**	10.51	1.17	**11.15**
Sodium lauryl sulfate (15%)	205	0.00	0.00		6.92	0.01	**0.17**	8.47	0.09	**1.08**	15.39	0.08	**0.53**
	210	0.00	0.00		6.88	0.04	**0.51**	8.01	0.32	**3.96**	14.89	0.33	**2.21**
	213	0.00	0.00		6.90	0.05	**0.69**	7.97	0.11	**1.43**	14.87	0.16	**1.08**
Sodium oxalate	116	3.87	0.24	**6.20**	6.45	0.12	**1.80**	3.07	1.07	**34.99**	13.39	1.28	**9.55**
	120	0.00	0.00		6.78	0.11	**1.62**	7.93	0.48	**6.01**	14.71	0.43	**2.92**
	125	0.00	0.00		6.77	0.04	**0.52**	7.74	0.36	**4.65**	14.51	0.34	**2.35**
Sodium perborate, $4H_2O$	117	0.00	0.00		6.62	0.08	**1.22**	4.66	0.59	**12.59**	11.28	0.61	**5.41**
	121	0.00	0.00		6.76	0.08	**1.12**	6.71	0.31	**4.59**	13.47	0.24	**1.79**
	125	0.00	0.00		6.76	0.05	**0.70**	8.05	0.19	**2.40**	14.81	0.23	**1.56**
tetra-Aminopyrimidine sulfate	116	4.40	0.59	**13.33**	0.00	0.00		0.00	0.00		4.40	0.59	**13.33**
	120	4.07	0.43	**10.50**	0.00	0.00		0.00	0.00		4.07	0.43	**10.50**
	125	4.52	0.11	**2.48**	0.00	0.00		0.00	0.00		4.52	0.11	**2.48**
Thiourea	149	4.40	0.06	**1.42**	6.84	0.08	**1.18**	4.92	1.12	**22.81**	16.16	1.10	**6.80**
	121	4.00	0.06	**1.56**	6.90	0.02	**0.25**	7.56	0.36	**4.83**	18.46	0.34	**1.85**
	125	4.15	0.10	**2.52**	6.91	0.03	**0.42**	8.00	0.23	**2.84**	19.06	0.34	**1.76**
Toluene	207	0.00	0.00		6.70	0.04	**0.52**	8.46	0.05	**0.61**	15.16	0.06	**0.40**
	211	0.00	0.00		6.83	0.10	**1.44**	8.31	0.13	**1.57**	15.14	0.23	**1.51**

Intralaboratory Repeatability Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Substance	Test #	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
		Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs	Mean for 3 Eggs	SD for 3 Eggs	%CV for 3 Eggs
	217	4.01	0.63	**15.67**	6.87	0.04	**0.52**	7.08	0.34	**4.81**	17.96	0.29	**1.61**
Trichloroacetic acid (3%)	209	0.00	0.00		6.91	0.03	**0.36**	8.67	0.08	**0.92**	15.58	0.07	**0.42**
	216	0.00	0.00		6.98	0.03	**0.36**	8.89	0.06	**0.70**	15.87	0.09	**0.55**
	217	0.00	0.00		6.94	0.02	**0.33**	8.78	0.05	**0.52**	15.72	0.07	**0.43**
Trichloroacetic acid (30%)	127	0.00	0.00		6.88	0.03	**0.37**	8.71	0.06	**0.72**	15.59	0.05	**0.29**
	133	0.00	0.00		6.91	0.05	**0.68**	8.89	0.06	**0.70**	15.80	0.11	**0.68**
	141	0.00	0.00		6.91	0.00	**0.00**	8.81	0.03	**0.39**	15.72	0.03	**0.22**
Triton X-100 (10%)	129	4.55	0.07	**1.50**	6.78	0.01	**0.17**	1.98	1.02	**51.31**	13.31	0.99	**7.42**
	135	3.71	0.55	**14.73**	6.90	0.02	**0.25**	3.65	1.15	**31.54**	14.26	1.26	**8.81**
	143	4.07	0.30	**7.30**	6.74	0.11	**1.59**	2.80	1.54	**54.95**	13.61	1.17	**8.62**
Triton X-100 (5%)	130	3.99	0.30	**7.53**	6.39	0.06	**1.01**	0.00	0.00		10.38	0.24	**2.31**
	143	4.27	0.13	**3.11**	6.67	0.06	**0.96**	0.91	0.80	**87.86**	11.86	0.82	**6.92**
	152	3.85	0.31	**8.00**	6.74	0.04	**0.60**	0.00	0.00		10.59	0.35	**3.27**
Maneb[1]	117	0.00	0.00		5.09	0.29	**5.72**	0.00	0.00		5.09	0.29	**5.72**
	123	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	126	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
	150	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
1-Napthalene acetic acid[1]	115	1.85	1.34	**72.38**	0.00	0.00		0.92	1.29	**140.68**	2.77	2.52	**90.92**
	118	2.19	0.38	**17.19**	4.00	0.44	**11.11**	3.90	1.04	**26.55**	10.09	1.41	**14.02**
	124	0.67	1.15	**173.21**	3.12	1.12	**35.78**	3.69	0.65	**17.64**	7.48	1.99	**26.62**
	149	2.84	0.60	**21.03**	0.00	0.00		0.00	0.00		2.84	0.60	**21.03**
1-Napthalene acetic acid, sodium salt[1]	115	0.00	0.00		6.73	0.07	**1.10**	7.65	0.45	**5.92**	14.38	0.51	**3.51**
	124	0.00	0.00		6.92	0.02	**0.33**	8.44	0.14	**1.68**	15.36	0.15	**0.98**
	149	0.76	1.31	**173.21**	6.84	0.03	**0.37**	7.93	0.38	**4.76**	15.52	1.43	**9.20**
Tween 20[1]	130	0.00	0.00		6.42	0.16	**2.54**	7.05	0.89	**12.69**	13.47	1.04	**7.73**
	136	0.00	0.00		6.15	0.62	**10.03**	6.75	1.16	**17.17**	12.90	1.77	**13.75**
	144	0.00	0.00		6.88	0.04	**0.51**	8.89	0.06	**0.70**	15.77	0.10	**0.62**
	210	0.00	0.00		6.51	0.34	**5.23**	7.83	0.29	**3.69**	14.34	0.61	**4.26**
	219	1.97	0.33	**16.78**	5.95	0.63	**10.54**	8.33	0.12	**1.46**	16.25	0.46	**2.83**

Abbreviations: %CV = percent coefficient of variation; SD = standard deviation.
[1]Data not originally presented in Gilleron et al. (1997).

Appendix E5

Intralaboratory Reproducibility Results (Expressed as %CV) for Data of Gilleron et al. (1996)

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Intralaboratory Reproducibility Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Chemical	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.
1,2,3-Tricholorpropane	2.50	1.72	68.87	1.55	2.03	130.62	3.80	2.52	66.20	7.85	1.74	22.19
1,2,4-Trimethylbenzene	0.33	0.31	94.63	1.63	2.83	173.21	2.46	1.61	65.17	4.42	2.91	65.81
1-Nitropropane	0.58	0.67	115.89	0.52	0.89	173.21	1.72	1.49	86.69	2.81	2.70	95.85
1-Phenyl-3-pyrazolidone	0.00	0.00		0.00	0.00		0.46	0.41	89.00	0.46	0.41	89.00
2,4-Dicholor-5-sulfamolyl-benzoic acid	3.37	1.63	48.34	0.00	0.00		0.40	0.70	173.21	3.77	2.21	58.68
2,4-Pentanedione	4.32	0.13	2.92	0.00	0.00		4.48	2.86	63.70	8.80	2.98	33.85
2-Aminophenol	0.00	0.00		0.00	0.00		0.84	0.74	88.82	0.84	0.74	88.82
2-Ethoxyethanol	0.89	0.91	102.38	2.02	3.14	155.52	7.55	1.22	16.17	10.46	2.74	26.23
3-Glycidopropyl trimethoxysilane	3.72	0.15	4.17	0.00	0.00		0.60	1.03	173.21	4.31	0.96	22.34
Allyl alcohol	0.21	0.36	173.21	3.85	2.44	63.34	8.37	0.41	4.84	12.42	2.26	18.21
Anthracene	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Butyrolactone	4.88	0.14	2.86	1.52	2.63	173.21	7.47	0.69	9.25	13.86	1.80	12.98
Cyclohexanone	4.54	0.17	3.84	4.02	3.53	87.78	5.90	3.21	54.40	14.47	3.79	26.23
Deooxycholic acid, sodium salt	1.08	0.99	92.34	5.84	0.27	4.64	2.78	4.82	173.21	9.70	5.81	59.92
Diacetone alcohol	4.51	0.62	13.84	3.89	3.38	86.87	6.65	1.43	21.49	15.05	2.74	18.18
Dibenzoyl-L-tartaric acid	3.64	1.96	53.75	0.53	0.92	173.21	0.00	0.00		4.17	2.53	60.52
Dimethyl biguanidine	0.00	0.00		3.49	3.26	93.37	4.94	4.33	87.61	8.44	2.18	25.90
Dimethyl sulfoxide	0.13	0.23	173.21	4.18	3.62	86.65	6.95	1.57	22.53	11.26	3.74	33.27
DL-Glutamic acid	0.68	1.17	173.21	0.00	0.00		0.00	0.00		0.68	1.17	173.21
Ethanol	0.00	0.00		4.02	3.49	86.81	7.30	1.44	19.73	11.32	2.82	24.92
Ethylenediaminetetraacetic acid dipotassium	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Furan	0.31	0.53	173.21	2.41	2.39	99.17	2.80	2.05	73.08	5.51	1.02	18.44
Gluconolactone	0.00	0.00		1.83	1.72	93.82	2.72	4.72	173.21	4.55	3.20	70.34
Hexadecyltrimethylammonium bromide	2.47	2.31	93.82	5.13	1.08	21.06	3.24	3.91	120.45	10.84	4.82	44.46
Hexane	0.41	0.72	173.21	0.94	1.63	173.21	1.73	2.52	145.61	3.08	2.65	86.07

Intralaboratory Reproducibility Results for HET-CAM IS(B) Data of Gilleron et al. (1996)

Chemical	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.
Iminodibenzyl	0.00	0.00		0.00	0.00		0.03	0.05	173.21	0.03	0.05	173.21
Magnesium carobonate	0.00	0.00		0.00	0.00		1.43	1.86	129.93	1.43	1.86	129.93
Methyl isobutyl ketone	3.11	0.90	28.98	3.00	3.34	111.51	4.38	3.84	87.64	10.49	1.50	14.33
MYRJ 45	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
Octanol	2.98	0.85	28.36	3.69	2.12	57.27	3.17	1.19	37.48	9.84	1.67	17.01
Polyoxythethylene 23 lauryl ether	1.51	2.61	173.21	0.00	0.00		0.00	0.00		1.51	2.61	173.21
Propyl-4-hydroxybenzoate	1.67	1.00	60.02	0.00	0.00		0.21	0.19	91.97	1.88	1.06	56.26
Pyridine	3.99	0.89	22.35	4.54	3.94	86.62	7.24	1.47	20.31	15.77	3.61	22.90
Quinacrine	3.18	2.69	84.83	1.24	2.15	173.21	2.08	2.74	131.92	6.50	2.19	33.70
Tetraaminopyrimidine sulfate	0.53	0.92	173.21	0.00	0.00		0.00	0.00		0.53	0.92	173.21
Thiourea	3.91	0.10	2.59	6.71	0.10	1.55	2.49	4.32	173.21	13.11	4.39	33.49
Triton X-155	1.01	1.53	152.23	2.57	2.39	93.09	0.34	0.59	173.21	3.92	2.34	59.77
2-Methoxyethanol[1]	0.00	0.00		5.61	0.45	7.95	7.62	1.32	17.35	13.22	1.12	8.43
Benzethonium chloride[1]	2.28	2.63	115.61	4.79	3.21	67.17	5.49	3.50	63.81	12.55	4.55	36.23
Ethylacetoacetate[1]	3.71	0.47	12.74	2.01	2.34	116.49	2.85	2.59	90.61	8.57	4.59	53.62
Imidazole[1]	4.75	0.19	3.91	6.26	0.98	15.71	7.48	1.21	16.23	18.49	1.23	6.66
Laurylsulfobetaine[1]	0.07	0.13	173.21	6.23	0.56	9.07	2.22	1.97	88.59	8.53	1.50	17.60
Methanol[1]	0.00	0.00		4.33	3.24	74.82	7.68	1.27	16.57	12.01	2.99	24.87
N-Laurylsarcosine, sodium salt[1]	1.76	1.33	75.79	6.53	0.30	4.66	3.54	3.82	107.96	11.82	4.03	34.05
Promethazine hydrochloride[1]	0.65	1.29	200.00	5.03	3.35	66.67	8.44	0.13	1.52	14.11	1.97	13.97
Triethanolamine[1]	0.00	0.00		5.43	1.92	35.28	6.69	0.94	14.01	12.12	1.18	9.71

Abbreviations: %CV = percent coefficient of variation; Exp. = experiment; SD = standard deviation.
[1]Data not originally presented in Gilleron et al. (1996).

Appendix E6

Intralaboratory Reproducibility Results (Expressed as %CV) for Data of Gilleron et al. (1997)

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Intralaboratory Reproducibility Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Chemical	GHS Cat. 1	EPA Cat. I	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
			Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.
2,2-Dimethy-butanoic acid		X	0.00	0.00		6.86	0.13	1.90	8.45	0.15	1.77	15.31	0.24	1.59
2,5-Dimethyl-hexandiol	X	X	4.18	0.19	4.45	5.89	1.17	19.79	5.26	1.12	21.20	15.33	0.39	2.52
2,6-Dichloro-benzoyl chloride			0.00	0.00		5.97	0.85	14.20	4.77	1.46	30.58	10.74	1.74	16.22
2-Ethyl-1-hexanol			4.05	0.13	3.18	4.06	3.51	86.62	4.60	2.66	57.83	12.71	2.96	23.33
4-Carboxybenz-aldehyde			2.17	1.95	90.08	0.00	0.00		1.78	3.08	173.21	3.95	4.69	118.75
Acetone			0.00	0.00		6.94	0.05	0.65	8.38	0.34	4.03	15.32	0.32	2.12
Ammonium nitrate			1.03	0.65	62.49	6.83	0.06	0.87	7.48	1.04	13.88	15.34	1.24	8.07
Benzalkonium chloride (1%)	X	X	0.00	0.00		6.91	0.03	0.46	8.24	0.25	3.04	15.15	0.23	1.52
Benzalkonium chloride (10%)	X	X	0.00	0.00		6.91	0.02	0.24	8.14	0.28	3.46	15.05	0.28	1.83
Benzalkonium chloride (5%)	X	X	0.00	0.00		6.93	0.01	0.15	7.88	0.53	6.67	14.80	0.53	3.55
Captan 90 concentrate	X	X	0.00	0.00		6.83	0.03	0.41	8.24	0.29	3.58	15.07	0.27	1.80
Cetylpyridinium bromide (0.1%)			0.00	0.00		6.05	0.25	4.05	6.63	1.33	20.03	12.67	1.51	11.95
Cetylpyridinium bromide (10%)	X	X	0.00	0.00		6.89	0.01	0.12	6.64	2.41	36.35	13.53	2.42	17.89
Cetylpyridinium bromide (6%)	X		0.00	0.00		6.84	0.04	0.55	7.77	0.40	5.11	14.61	0.43	2.95
Chlorhexidine	X		4.48	0.15	3.41	5.81	0.21	3.59	4.58	3.99	87.12	14.86	3.78	25.44
Cyclohexanol	X	X	4.29	0.30	7.03	6.85	0.03	0.42	7.81	0.34	4.31	18.96	0.10	0.53
Dibenzoyl-L-tartaric acid	X		4.54	0.29	6.36	3.35	2.90	86.63	5.45	1.30	23.80	13.34	4.24	31.74
Dibenzyl phosphate			0.00	0.00		6.89	0.08	1.14	8.27	0.39	4.71	15.17	0.47	3.07
Ethanol			0.00	0.00		6.89	0.04	0.51	8.01	0.00	0.00	14.90	0.04	0.24

Intralaboratory Reproducibility Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Chemical	GHS Cat. 1	EPA Cat. I	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
			Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.
Ethyl acetate			4.33	0.49	11.38	6.66	0.14	2.13	8.33	0.39	4.74	19.32	0.07	0.34
Ethyl-2-methyl-acetoacetate			4.49	0.07	1.46	4.40	3.82	86.65	4.04	3.57	88.34	12.94	2.94	22.68
Ethytrimethyl acetate			2.45	2.04	83.27	4.07	0.68	16.68	7.30	0.18	2.50	13.82	2.73	19.72
Fomesafen			0.00	0.00		0.00	0.00		1.21	1.29	106.26	1.21	1.29	106.26
Gamma-butyro-lactone			4.93	0.01	0.20	6.95	0.01	0.14	7.52	0.83	11.00	19.39	0.83	4.29
Glycerol			0.00	0.00		6.14	0.67	10.93	8.67	0.09	1.07	14.82	0.75	5.09
Imidazole			4.77	0.12	2.43	6.90	0.04	0.54	7.77	0.40	5.10	19.43	0.49	2.51
Isobutanol	X	X	4.61	0.17	3.60	6.86	0.09	1.26	7.94	0.20	2.52	19.41	0.08	0.43
Isopropanol			0.00	0.00		6.92	0.04	0.65	7.88	0.16	2.03	14.80	0.20	1.38
L-Aspartic Acid			0.00	0.00		0.43	0.74	173.21	0.63	0.56	89.05	1.06	1.20	113.49
Methyl acetate			4.20	0.54	12.83	6.91	0.06	0.82	7.87	0.26	3.29	18.98	0.75	3.94
Methyl cyanoacetate			4.65	0.18	3.84	5.80	1.10	18.97	5.86	1.76	30.11	16.31	1.23	7.56
Methyl cyclopentane			2.48	1.07	43.31	6.80	0.09	1.31	7.85	0.54	6.87	17.14	1.62	9.48
Methyl ethyl ketone			2.94	2.60	88.56	6.79	0.09	1.36	8.62	0.03	0.40	18.35	2.52	13.71
Methyl isobutyl ketone			4.51	0.54	12.07	5.31	1.45	27.39	7.93	0.88	11.15	17.75	2.20	12.42
n-Butyl acetate			4.59	0.30	6.57	4.95	2.06	41.57	7.66	0.28	3.60	17.21	1.84	10.69
n-Hexanol			4.12	0.27	6.64	6.74	0.18	2.68	6.71	0.83	12.42	17.57	0.41	2.31
n-Octanol			4.46	0.38	8.61	5.08	0.67	13.19	7.17	0.59	8.25	16.70	0.81	4.83
Parafluoroaniline			0.72	1.24	173.21	6.90	0.04	0.64	7.88	0.74	9.34	15.50	1.63	10.51
PEG 400			0.00	0.00		6.44	0.24	3.70	8.24	0.38	4.60	14.68	0.54	3.70
Potassium cyanate			0.00	0.00		6.76	0.10	1.51	7.51	1.14	15.24	14.27	1.15	8.05
Promethazine	X	X	0.00	0.00		1.20	1.16	97.13	5.07	1.26	24.89	6.27	1.41	22.50
Pyridine	X	X	2.66	2.41	90.56	6.91	0.03	0.44	8.21	0.31	3.78	17.78	2.43	13.69
Quinacrine	X	X	0.96	0.83	86.65	0.66	1.14	173.21	5.67	0.40	7.00	7.29	0.60	8.24
Sodium hydroxide (1%)			4.92	0.03	0.69	6.93	0.03	0.43	7.16	0.14	1.91	19.01	0.13	0.68

Intralaboratory Reproducibility Results for HET-CAM IS(B) Data of Gilleron et al. (1997)

Chemical	GHS Cat. 1	EPA Cat. I	Hemorrhage			Lysis			Coagulation			Overall *In Vitro* Score		
			Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.	Mean of Exp.	SD of Exp.	%CV of Exp.
Sodium hydroxide (10%)	X	X	4.95	0.06	1.17	6.96	0.05	0.67	8.64	0.05	0.53	20.56	0.08	0.37
Sodium lauryl sulfate (15%)	X	X	0.00	0.00		6.90	0.02	0.29	8.15	0.28	3.41	15.05	0.29	1.96
Sodium lauryl sulfate (3%)			0.00	0.00		6.79	0.07	0.99	5.59	1.81	32.39	12.38	1.83	14.74
Sodium oxalate	X	X	1.29	2.24	173.21	6.67	0.19	2.84	6.25	2.75	44.07	14.20	0.71	5.01
Sodium perborate, $4H_2O$	X	X	0.00	0.00		6.71	0.08	1.15	6.47	1.71	26.38	13.19	1.78	13.49
Tetraamino-pyrimidine sulfate			4.33	0.23	5.40	0.00	0.00		0.00	0.00		4.33	0.23	5.40
Thiourea			4.18	0.20	4.83	6.88	0.04	0.60	6.83	1.67	24.40	17.89	1.53	8.57
Toluene			1.34	2.31	173.21	6.80	0.09	1.28	7.95	0.76	9.52	16.09	1.62	10.07
Trichloroacetic acid (3%)			0.00	0.00		6.94	0.04	0.51	8.78	0.11	1.25	15.72	0.15	0.92
Trichloroacetic acid (30%)	X	X	0.00	0.00		6.90	0.02	0.24	8.80	0.09	1.02	15.71	0.11	0.67
Triton X-100 (10%)	X		4.11	0.42	10.26	6.81	0.08	1.20	2.81	0.84	29.72	13.73	0.48	3.52
Triton X-100 (5%)			4.04	0.22	5.34	6.60	0.19	2.80	0.30	0.53	173.21	10.94	0.80	7.28
1-Napthalene acetic acid[1]	X	X	1.89	0.91	48.25	1.78	2.09	117.21	2.13	1.96	92.30	5.79	3.61	62.36
1-Napthalene acetic acid, sodium salt[1]	X	X	0.25	0.44	173.21	6.83	0.10	1.44	8.01	0.40	5.00	15.09	0.62	4.12
Maneb[1]			0.00	0.00		1.27	2.54	200.00	0.00	0.00		1.27	2.54	200.00
Tween 20[1]			0.39	0.88	223.61	6.38	0.35	5.53	7.77	0.88	11.39	14.55	1.44	9.91

Abbreviations: Cat. = category; %CV = percent coefficient of variation; EPA = U.S. Environmental Protection Agency; Exp. = experiment; GHS = Globally Harmonized System; SD = standard deviation.

[1]Data not originally presented in Gilleron et al. (1997).

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